



Docket 85512DMW
Customer No. 01333

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Gabriel Fielding

SYSTEM AND METHOD FOR
ESTIMATING, SYNTHESIZING,
AND MATCHING NOISE IN
DIGITAL
IMAGES AND IMAGE
SEQUENCES

Group Art Unit:

Examiner:

I hereby certify that this correspondence is being deposited today with the United States Postal Service as first class mail in an envelope addressed to Commissioner For Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Robin G. Reeves
Robin G. Reeves

7/21/03
Date

Serial No. 10/602,427

Filed 24 June 2003
Commissioner for Patents
P.O. Box 1450
Alexandria, VA. 22313-1450

Sir:

INFORMATION DISCLOSURE STATEMENT FOR CONSIDERATION
BY THE OFFICE UNDER 37 C.F.R. 1.97-1.99

Enclosed herewith are patents and/or publications for consideration by the Patent and Trademark Office in regard to the invention claimed in the above-described application. In compliance with §1.56, such documents are listed in the enclosed Form PTO-1449.

Applicants request that the Patent and Trademark Office make of record the above-identified documents. Unless otherwise indicated, a full text copy of each document is attached. For documents not in English, an English translation or an equivalent English language patent or publication may be attached. Where a translation is not available, a concise explanation of the relevance of each document not in English is included either here or in the specification.

This Information Disclosure Statement (hereinafter "Statement") is submitted according to the following selected paragraph:

- I. ☒ This Statement is being filed under §1.97(b) within three months of the filing date of the application (other than a CPA), or before the mailing of a first Office action on the merits or before the mailing of a first Office action after the filing of a request for continued examination.
- II. ☐ This Statement is being filed under §1.97(c), with fee, **prior** to the mailing date of any of a final action, a notice of allowance or an action that otherwise closes prosecution in the application. Please charge the fee required by §1.17(p) to Eastman Kodak Company Deposit Order Account Number 05-0225. A duplicate copy of this Certification is enclosed.

III. ☐ This Statement is being filed under §1.97(c), with a certification under, §1.97(e) **prior** to the mailing date of any of a final action, a notice of allowance or an action that otherwise closes prosecution in the application. The undersigned hereby states that (check one):

☐ each item of information contained in this Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement.

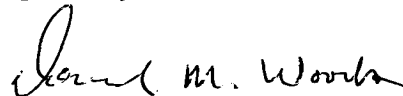
☐ no item of information in this Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing this certification under §1.97(e) after making reasonable inquiry, no item of information contained in this Statement was known to any individual designated in §1.56(c) more than three months prior to the filing of this Statement.

IV. ☐ This Statement is being filed under §1.97(d), with fee and certification under §1.97(e), on or after the mailing date of either a final action, a notice of allowance (but prior to payment of the issue fee) or an action that otherwise closes prosecution in the application. Please charge the fee required by §1.17(p) to Eastman Kodak Company Deposit Order Account No. 05-0225. A duplicate copy of this Certification is enclosed. The undersigned hereby states that (check one):

☐ each item of information in this Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement.

☐ no item of information in this Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing this certification under §1.97(e) after making reasonable inquiry, no item of information contained in this Statement was known to any individual designated in §1.56(c) more than three months prior to the filing of this Statement.

Respectfully submitted,



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DMW/RGR

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Enclosures

FORM PTO-1449

US DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

Atty. Docket No.

85512DMW

Customer No. 01333

Serial No.

10/602,427

If AFTER the later date of the first Office Action or 3 months from filing, use only with Rule 97(E) Certificate or Fee

Applicant:

Gabriel Fielding

LIST OF ART CITED BY APPLICANT

(Use several sheets if necessary)

Filing Date

24 June 2003

Group

U.S. PATENT DOCUMENTS

Examiner Initial*	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	US 2002/0034337 A1	3/21/02	Jonathan Martin Shekter	382	275	5/23/01
	5,600,731	2/4/97	Muhammed I. Sezan et al.	382	107	5/9/91
	5,641,596	6/24/97	Robert T. Gray et al.	430	21	12/5/95

FOREIGN PATENT DOCUMENTS

Examiner Initial*	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	"Pyramid-Based Texture Analysis/Synthesis" by Bergen and Heeger. SIGGRAPH, 1995, pp. 229-238.
	"Texture synthesis using 2-d noncausal autoregressive models" by Chellappa and Kashyap. IEEE Trans. on Acoustics, Speech, and Signal Processing, vol. 33, pp. 194-203, February 1985.
	"Texture synthesis by non-parametric sampling" by Efros and T. Leung, ICCV99, pp. 1033-1038, 1999.
	"Estimation of Noise in Images: An Evaluation" by Olsen, GMIP(55), No. 4, July 1993, pp. 319-323.
	"Fast Noise Variance-Estimation" by Immerkaer. Computer Vision Image Understanding (64), No. 2, September 1996, pp. 300-302.
	"Noise Reduction in Image Sequences Using Motion-Compensated Temporal Filtering" by E. Dubois and S. Sabri. IEEE Trans. Communications(32), 1984, pp. 826-831.
	"The Robust Estimation of Multiple Motions" Parametric and Piecewise-Smooth Flow-Fields" by M.J. Black and P. Anandan. Computer Vision and Image Understanding, January 1996.

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.